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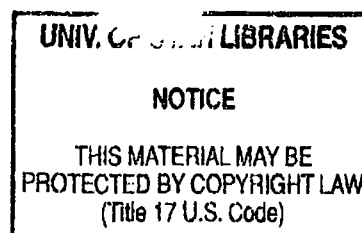
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LIST OF MAPS IN FOLIO

- 1 Property Map, Park City Mining District, Scale 1"=1000'
- 2 Geology Map, Park City Mining District, Scale 1"=1000'
- 3 Surface Geology Map, United Park City Mines Area, Scale 1"=400'
- 4 Composite Plan, United Park City Mines Area, Scale 1"=400'
- 5 Stope Map, United Park City Mines Area, Scale 1"=400'
- 6 Geology Plan at  $\pm$  8450 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 7 Geology Plan at  $\pm$  7950 Feet Elevation, United Park City Mines Area, Scale 1"=400'
- 8 Geology Plan at  $\pm$  7650 Feet Elevation, United Park City Mines Area, Scale 1"=400'
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- 10 Geology Plan at  $\pm$  7350 Feet Elevation, United Park City Mines Area, Scale 1"=400'
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- 17 Geology Plan at  $\pm$  6150 Feet Elevation, United Park City Mines Area, Scale 1"=400'



and consulted in this compilation, but have not been included in the report in the interest of brevity.

During the progress of this investigation, considerable planning was done by the Hecla staff with regard to more efficient development of the property.

#### SUMMARY AND CONCLUSIONS

The map folio accompanying this report represents a compilation of basic data from the files of the United Park City Mines Company and other available sources. The project was undertaken as a preliminary step in the evaluation of the future exploration potential within the district and as the initial consideration by Hecla Mining Company of a possible long term operational agreement with United Park City. The termination of negotiations in January 1967 has resulted in an incomplete conclusion of the project, but the work has progressed to the extent that the broader structural objective became apparent.

Of an approximate production of \$500 million from 15.3 million tons of ore from the Park City district, 85 percent, or 13 million tons, has come from mines within the holdings of United Park City. This production has come from a number of mines, but the larger percentage has been localized along two major structural features. The Hawkeye-McHenry fault zone, within which the Park-Utah, Ontario, and Daly mines have been developed, trends generally east-west and has been developed over a vertical range of approximately 3000 feet. This zone can be correlated to the southwest through the Daly-West and Judge mines, making a total productive strike length of nearly four miles. Within this zone a variety of types of ore bodies have been mined, but all appear to owe their origin to the structural

### PRODUCTION

Available production data indicate that the Park City District has produced about 15.3 million tons of ore from which approximately one million ounces of gold, 250 million ounces of silver, 1.27 million tons of lead, 0.67 million tons of zinc, and 60,000 tons of copper have been recovered. The value of this production is placed at \$500,000,000.

Approximately 85 percent of the 15.3 million tons of ore mined in the district, or 13 million tons, has come from mines which have been consolidated to form the United Park City Mines property.

The following table is a summary of the available production data on mines in the district. Some partial data on the amount and grade of ore from different ore bodies, areas, and eras have also been incorporated. These data are incomplete and the sum of the partial data does not equal the total production in any instance. In compiling the summary some inconsistencies in data from different sources were noted. In these instances the most reasonable figures, or what is believed to be the most reliable data, have been incorporated. Thus the table, as prepared, is not accurate in every detail, but it does provide a measure of production and grade from the various mines and ore bodies.

### MAP FOLIO COMPILATION

In the initial stage of planning for the previously described project it was decided that much was to be gained by a detailed geologic compilation covering all of the properties of the United Park City Mines. Several similar compilations were found in the company files, but none was in sufficient detail or extent to be adequately used as a basis for evaluation of the property.

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SUMMARY OF PRODUCTION  
PARK CITY MINING DISTRICT, UTAH

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Mine	Period	Tons	Grade (generally based on recovered metal)					Source of Information
			Au Ozs.	Ag Ozs.	Pb %	Zn %	Cu %	
United Park City Mines Property								
Park Utah (Total)	1920-1951	1,238,778	0.136	17.5	4.2	5.5	0.24	Barnes
Partial Data:								
West ore body	1920-1932	1,117,778	0.13	15.0	4.6	6.2	0.2	Barnes
East ore body	1920-1932	110,000	0.09	46.0	1.2	-	0.02	Barnes
Ontario (Total)	1875-1964	2,238,594	0.018	24.9	3.7	4.7	0.09	Barnes
Partial Data:								
Era 1	1877-1904	653,494	-	57.6	-	-	-	Boutwell
Era 2	1902-1924	169,111	0.026	24.8	2.0	-	-	Barnes
Era 3	1924-1942	126,000	0.027	29.8	2.9	3.3	-	Barnes
Replacement ore	1954-Aug. 1966	925,530	0.025	5.2	6.5	9.1	0.13	Tuck
Daly (Total)	1886-1950	554,088	0.034	23.0	1.0	1.0	0.03	Barnes
Partial Data:								
Era 1	1887-1904	278,269	0.038	40.4	-	-	-	Boutwell
Era 2	1902-1924	20,103	0.03	15.0	7.5	8.5	-	Barnes
Daly West-Judge (Total)	1899-1951	4,265,346	0.018	12.0	8.7	4.7	0.37	Barnes
Partial Data:								
Daly West	1899-1905	74,775	0.189	232.0	-	-	8.0	Boutwell
Daly Judge	1903-1907	167,784	0.029	8.3	11.5	5.1	0.1	Boutwell
Replacement ore	1909-1924	--	0.026	25.3	14.1	12.1	-	Barnes
Silver King (Total)	1882-1964	4,698,609	0.043	18.3	14.2	3.5	0.49	Barnes
Partial Data:								
Crescent Zone	1882-1952	1,092,056	0.021	7.9	12.1	5.3	0.21	Barnes
Era 1	1895-1908	442,225	0.214	50.8	39.3	-	0.04	Boutwell
Replacement ore	1882-1951	3,420,000	0.024	18.5	13.5	10.7	0.50	Barnes
Grand Total United Park City Mines	1875-1964	12,995,415						
Other Properties								
Mayflower (Total)	1936-1964	1,645,501	0.282	6.1	5.5	6.8	0.67	Barnes
Park City Consolidated	1934-1942	532,166	0.04	16.3	0.3	1.5	-	Bell
Park City Utah	1935-1942	28,989(?)	-	-	-	-	-	Bell
New Quincy	1927-1950	55,000(?)	-	-	-	-	-	Bell
Valeo	1896-1900	10,000	0.34	12.0	-	-	29.0	Boutwell

## Source:

Barnes, M. P., Ore Deposits of the Park City District, United Park City Files, to be published in AIME Graton-Sales Volume  
 Bell, J. D., History and Production, Park City District, Utah, Hecla Files, part of Mayflower Examination Report, 1961  
 Boutwell, J. M., Geology and Ore Deposits of the Park City District, Utah, U. S. Geol. Survey Prof. Paper No. 77, 1912  
 Tuck, R., Ontario Mine Ore Reserves, United Park City Mines Company, Hecla Files, 1966